

A TRANSFORM, LIGHTING AND RASTERIZATION SYSTEM EMBODIED ON A SINGLE SEMICONDUCTOR PLATFORM

ABSTRACT

A graphics pipeline system is provided for graphics processing. Such system includes a transform module adapted for being coupled to a vertex attribute buffer for receiving vertex data. The transform module serves to transform the vertex data from object space to screen space. Coupled to the transform module is a lighting module which is positioned on the single semiconductor platform for performing lighting operations on the vertex data received from the transform module. Also included is a rasterizer coupled to the lighting module and positioned on the single semiconductor platform for rendering the vertex data received from the lighting module.